PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 2032853PC	FOR FURTHER ACTION See Form PCT/IPEA/416	
International application No. PCT/FI2004/000128	International filing date *(day/month/year)* 09-03-2004	Priority date *(day/month/year)*
International Patent Classification (IPC) or national classification and IPC See Supplemental Box		
Applicant Nokia Corporation et al		

1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of __5__ sheets, including this cover sheet.

3. This report is also accompanied by ANNEXES, comprising:

   a. ☒ *(sent to the applicant and to the International Bureau)* a total of __4__ sheets, as follows:

   ☒ sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).

   ☐ sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.

   b. ☐ *(sent to the International Bureau only)* a total of (indicate type and number of electronic carrier(s))

   _____ , containing a sequence listing and/or tables related thereto, in electronic form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).

4. This report contains indications relating to the following items:

   ☒ Box No. I   Basis of the report

   ☐ Box No. II   Priority

   ☐ Box No. III   Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

   ☐ Box No. IV   Lack of unity of invention

   ☒ Box No. V   Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

   ☐ Box No. VI   Certain documents cited

   ☐ Box No. VII   Certain defects in the international application

   ☐ Box No. VIII   Certain observations on the international application

Date of submission of the demand 29-09-2005	Date of completion of this report 13-06-2006
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Form PCT/IPEA/409 (cover sheet) (April 2005)

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.
Continuation of: Cover sheet

International patent classification (IPC)
G06F 17/30 (2006.01)

Box No. I	Basis of the report

1. With regard to the **language**, this report is based on:

    ☒ the international application in the language in which it was filed

    ☐ a translation of the international application into _____ ,
    which is the language of a translation furnished for the purposes of:

        ☐ international search (Rules 12.3(a) and 23.1(b))

        ☐ publication of the international application (Rule 12.4(a))

        ☐ international preliminary examination (Rules 55.2(a) and/or 55.3(a))

2. With regard to the **elements** of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):*

    ☐ the international application as originally filed/furnished

    ☒ the description:

        pages   **1-8** _____ as originally filed/furnished

        pages* _____ received by this Authority on _____

        pages* _____ received by this Authority on _____

    ☒ the claims:

        pages _____ as originally filed/furnished

        pages* _____ as amended (together with any statement) under Article 19

        pages*   **9-12** _____ received by this Authority on **29-09-2005**

        pages* _____ received by this Authority on _____

    ☒ the drawings:

        pages   **1-4** _____ as originally filed/furnished

        pages* _____ received by this Authority on _____

        pages* _____ received by this Authority on _____

    ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.

3. ☐ The amendments have resulted in the cancellation of:

        ☐ the description, pages _____

        ☐ the claims, Nos. _____

        ☐ the drawings, sheets/figs _____

        ☐ the sequence listing *(specify):* _____

        ☐ any table(s) related to the sequence listing *(specify):* _____

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

        ☐ the description, pages _____

        ☐ the claims, Nos. _____

        ☐ the drawings, sheets/figs _____

        ☐ the sequence listing *(specify):* _____

        ☐ any table(s) related to the sequence listing *(specify):* _____

*   *If item 4 applies, some or all of those sheets may be marked "superseded."*

Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1-25		YES
	Claims			NO
Inventive step (IS)	Claims			YES
	Claims	1-25		NO
Industrial applicability (IA)	Claims	1-25		YES
	Claims			NO

2. Citations and explanations (Rule 70.7)

The claimed invention

The claimed invention relates to actuating functionality in an electronic device.

The following document are cited in the International Search Report:

D1: US 2004002305 A1
D2: WO 0137204 A1
D3: US 2001045460 A1
D4: US 6618162 B1

D1 describes in paragraph [0014] a mobile device that includes a memory (data storage) for storing local applications and a reader application and a processor coupled to the memory and the radio frequency reader module. The processor is configured to invoke at least one of the local applications identified by the application identifier, and to provide the content to the local application as directed by the reader application.

It is considered obvious to apply this method to a digital/electronic user manual. A user manual typically functions as an aid for a user and as such it could include instructions needed to solve a "usage problem".

Consequently, the claimed invention as in claims 1, 15 and 21 is considered to lack an inventive step.

In paragraph [0012], D1 describes the use of RF tags. Consequently, the claimed invention as in claim 2 is considered to lack an inventive step.

.../...

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of: V

Any person skilled in the art realises that bar codes, www links and/or invisible data could be stored in the memory. Consequently, the claimed invention as in claims 3-5 is considered to lack an inventive step.

It is considered to require no inventive skills to realise that the function to be performed could be to perform an operational setting and that these setting can be performed automatically.
Consequently, the claimed invention as in claim 6 is considered to lack an inventive step.

It is well known in the art that operational settings may be performed in a tutorial way. Consequently, the claimed invention as in claims 7-9 is considered to lack an inventive step.

It is considered well known in the art that the instructions in the memory may include software code portions and when changing or updating operational settings, these software code portions may be added to or replacing existing software code portions. Consequently, the claimed invention as in claim 10 is considered to lack an inventive step.

Claims 11-14 are considered to merely relate to measures considered obvious to a person skilled in the art. Consequently, the claimed invention as in claims 11-14 is considered to lack an inventive step.

The claimed invention as in claims 16-20 and 22-25 are considered to lack an inventive step for the same reasoning as set forth for the previous claims.

D2-D4 are considered to merely relate to the state of the art and are not commented on further.

To summarise, the claimed invention as in claims 1-25 is novel but is considered to lack an inventive step. The claimed invention as in claims 1-25 is industrially applicable.

CLAIMS

1.   Arrangement for performing functionality in an electronic device, **c h a r a c t e r i z e d** in that the arrangement includes:

a user manual, including a plurality of data storage elements on the pages of the user manual, each data storage element including instructions needed to solve a usage problem of the electronic device, wherein

the electronic device includes reading means for reading the data storage element in the user manual, the electronic device further including controlling means for performing at least one operational setting on the basis of the read data storage element and for the purpose of solving the usage problem encountered by a user of the electronic device.

2.   The arrangement of claim 1, **c h a r a c t e r i z e d** in that the data storage element includes a radio frequency (RF) tag.

3.   The arrangement of claim 1, **c h a r a c t e r i z e d** in that the data storage element includes a bar code.

4.   The arrangement of claim 1, **c h a r a c t e r i z e d** in that the data storage element includes a www link.

5.   The arrangement of claim 1, **c h a r a c t e r i z e d** in that the data storage element includes invisible data.

6.   The arrangement of claim 1, **c h a r a c t e r i z e d** in that the controlling means is configured to perform the operational setting automatically .

7.   The arrangement of claim 1, **c h a r a c t e r i z e d** in that the controlling means is configured to perform the operational setting in a tutorial way.

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8.   The arrangement of claim 7, **c h a r a c t e r i z e d** in that the tutorial way proceeds in a step-by-step manner, and the controlling means is configured to proceed to a next step when a predefined or user-adjustable time has elapsed.

9.   The arrangement of claim 7, **c h a r a c t e r i z e d** in that when performing the operational setting in the tutorial way, the controlling means is configured to proceed in a step-by-step manner by taking proceed indications from the user of the device.

10.   The arrangement of claim 1, **c h a r a c t e r i z e d** in that the instructions included by the data storage element and read by the reading means include a software code portion, and the controlling means is configured to add the read software code portion to an existing software code in the device or the controlling means is configured to replace an existing software code portion in the device with the read software code portion.

11.   The arrangement of claim 10, **c h a r a c t e r i z e d** in that usage of the read software code is limited to a predetermined number of usage times or to a predetermined time.

12.   The arrangement of claim 1, **c h a r a c t e r i z e d** in that the data storage includes a selling box of the electronic device.

13.   The arrangement of claim 1, **c h a r a c t e r i z e d** in that a data storage element includes information for starting an application at the electronic device.

14.   The arrangement of claim 1, **c h a r a c t e r i z e d** in that the electronic device is a mobile phone.

15.   An electronic device, **c h a r a c t e r i z e d** in that the device includes:
                reading means for reading at least one data storage

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element from a user manual including a plurality of data storage elements on the pages of the user manual, each data storage element including instructions needed to solve a usage problem of the electronic device;

controlling means for performing at least one operational setting on the basis of the read data storage element and for the purpose of solving the usage problem encountered by a user of the electronic device.

16.   The device of claim 15, **c h a r a c t e r i z e d** in that the controlling means is arranged to start an application in the device.

17.   The device of claim 15, **c h a r a c t e r i z e d** in that the controlling means is arranged to illustrate performing of an operational setting in a step-by-step manner, step transitions being triggered by expiry of a timer or by pressing of a key of the device.

18.   The device of claim 15, **c h a r a c t e r i z e d** in that the reading means is arranged to read a software code portion from the data storage element and the controlling means is arranged to add the software code portion to an existing code base in the device.

19.   The device of claim 15, **c h a r a c t e r i z e d** in that the reading means is arranged to read a software code portion from the data storage element and the controlling means is arranged to replace an existing software code portion in the device with the read software code portion.

20.   The device of claim 15, **c h a r a c t e r i z e d** in that the reading means is arranged to read a media content from the data storage element and the controlling means is arranged to add the media content to a media base of the device.

21.   A user manual for usage of an electronic device,

c h a r a c t e r i z e d in that the user manual includes a plurality of data storage elements in the pages of the user manual, each data storage element including instructions needed to solve a usage problem of the electronic device.

22. The data storage of claim 21, **c h a r a c t e r i z e d** in that the data storage includes a selling box of the electronic device.

23. Method for initiating functionality in an electronic device, **c h a r a c t e r i z e d** by:

reading, by using the device, at least one data storage element from a user manual including a plurality of data storage elements on the pages of the user manual, each data storage element including instructions needed to solve a usage problem of the electronic device,

performing, in the electronic device, at least one operational setting on the basis of the read data storage element and for the purpose of solving the usage problem encountered by a user of the electronic device.

24. The method of claim 23, **c h a r a c t e r i z e d** in that the data storage includes a selling box of the electronic device.

25. The method of claim 23, **c h a r a c t e r i z e d** by the step of locating, in the selling box, a data storage element corresponding to an application at the device, wherein the functionality implemented, upon reading of the data storage element, is starting of an application.

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